

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/236,468

DATE: 02/10/1999
TIME: 16:12:12

INPUT SET: S30588.raw

**This Raw Listing contains the General
Information Section and up to the first 5 pages.**

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Soppet, Daniel R
6 Yi, Li
7 Rosen, Craig A
8 Ruben, Steven
9
10 (ii) TITLE OF INVENTION: G-Protein Parathyroid Hormone receptor
11 HLTG74
12
13 (iii) NUMBER OF SEQUENCES: 8
14
15 (iv) CORRESPONDENCE ADDRESS:
16 (A) ADDRESSEE: Human Genome Sciences, Inc.
17 (B) STREET: 9410 Key West Ave
18 (C) CITY: Rockville
19 (D) STATE: MD
20 (E) COUNTRY: USA
21 (F) ZIP: 20850
22
23 (v) COMPUTER READABLE FORM:
24 (A) MEDIUM TYPE: Floppy disk
25 (B) COMPUTER: IBM PC compatible
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
28
29 (vi) CURRENT APPLICATION DATA:
30 (A) APPLICATION NUMBER:
31 (B) FILING DATE:
32 (C) CLASSIFICATION:
33
34 (vi) PRIOR APPLICATION DATA:
35 (A) APPLICATION NUMBER: 08/468,011
36 (B) FILING DATE: 06-JUN-1995
37 (C) CLASSIFICATION:
38
39 (viii) ATTORNEY/AGENT INFORMATION:
40 (A) NAME: A. Anders Brookes
41 (B) REGISTRATION NUMBER: 36,373
42 (C) REFERENCE/DOCKET NUMBER: PF201D1
43
44 (ix) TELECOMMUNICATION INFORMATION:
45 (A) TELEPHONE: 201-994-1700
46 (B) TELEFAX: 201-994-1744

RAW SEQUENCE LISTING PATENT APPLICATION US/09/236,468

DATE: 02/10/1999
TIME: 16:12:13

INPUT SET: S30588.raw

47

48

49 (2) INFORMATION FOR SEQ ID NO:1:

50

51 (i) SEQUENCE CHARACTERISTICS:

52 (A) LENGTH: 2003 base pairs

53 (B) TYPE: nucleic acid

54 (C) STRANDEDNESS: single

55 (D) TOPOLOGY: linear

56

57 (ii) MOLECULE TYPE: cDNA

58

59

60 (ix) FEATURE:

61 (A) NAME/KEY: CDS

62 (B) LOCATION: 90..1712

63

64

65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

66

67 GTTTGCTCTG GGCAGCCAAG TTGGCATATT GGAAGCTTTT TCCGGGCTCT GGAGGAGGGT 60

68

69 CCCTGCTTCT TCCTACAGCC GTTCCGGGC ATG GCC TGG CTG GGG GCG TCG CTC 113

70

71 Met Ala Trp Leu Gly Ala Ser Leu

72

73 CAC GTC TGG GGT TGG CTA ATG CTC GGC AGC TGC CTC CTG GCC AGA GCC 161

74

75 His Val Trp Gly Trp Leu Met Leu Gly Ser Cys Leu Leu Ala Arg Ala

76

77 CAG CTG GAT TCT GAT GGC ACC ATC ACT ATA GAG GAG CAG ATT GTC CTT 209

78

79 Gln Leu Asp Ser Asp Gly Thr Ile Thr Ile Glu Glu Gln Ile Val Leu

80

81 GTG CTG AAA GCG AAA GTA CAA TGT GAA CTC AAC ATC ACA GCT CAA CTC 257

82

83 Val Leu Lys Ala Lys Val Gln Cys Glu Leu Asn Ile Thr Ala Gln Leu

84

85 CAG GAG GGA GAA GGT AAT TGT TTC CCT GAA TGG GAT GGA CTC ATT TGT 305

86

87 Gln Glu Gly Glu Gly Asn Cys Phe Pro Glu Trp Asp Gly Leu Ile Cys

88

89 TGG CCC AGA GGA ACA GTG GGG AAA ATA TCG GCT GTT CCA TGC CCT CCT 353

90

91 Trp Pro Arg Gly Thr Val Gly Lys Ile Ser Ala Val Pro Cys Pro Pro

92

93 TAT ATT TAT GAC TTC AAC CAT AAA GGA GTT GCT TTC CGA CAC TGT AAC 401

94

95 Tyr Ile Tyr Asp Phe Asn His Lys Gly Val Ala Phe Arg His Cys Asn

96

97 CCC AAT GGA ACA TGG GAT TTT ATG CAC AGC TTA AAT AAA ACA TGG GCC 449

98

99 Pro Asn Gly Thr Trp Asp Phe Met His Ser Leu Asn Lys Thr Trp Ala

100

DATE: 02/10/1999
TIME: 16:12:13

INPUT SET: S30588.raw

100																	
101	AAT	TAT	TCA	GAC	TGC	CTT	CGC	TTT	CTG	CAG	CCA	GAT	ATC	AGC	ATA	GGA	497
102	Asn	Tyr	Ser	Asp	Cys	Leu	Arg	Phe	Leu	Gln	Pro	Asp	Ile	Ser	Ile	Gly	
103					125					130					135		
104																	
105	AAG	CAA	GAA	TTC	TGT	GAA	CGC	CTC	TAT	GTA	ATG	TAT	ACC	GTT	GGC	TAC	545
106	Lys	Gln	Glu	Phe	Cys	Glu	Arg	Leu	Tyr	Val	Met	Tyr	Thr	Val	Gly	Tyr	
107				140					145					150			
108																	
109	TCC	ATC	TCT	TTT	GGT	TCC	TTG	GCT	GTG	GCT	ATT	CTC	ATC	ATT	GGT	TAC	593
110	Ser	Ile	Ser	Phe	Gly	Ser	Leu	Ala	Val	Ala	Ile	Leu	Ile	Ile	Gly	Tyr	
111			155					160					165				
112																	
113	TTC	AGA	CGA	TTG	CAT	TGC	ACT	AGG	AAC	TAT	ATC	CAC	ATG	CAC	TTA	TTT	641
114	Phe	Arg	Arg	Leu	His	Cys	Thr	Arg	Asn	Tyr	Ile	His	Met	His	Leu	Phe	
115		170					175					180					
116																	
117	GTG	TCT	TTC	ATG	CTG	AGA	GCT	ACA	AGC	ATC	TTT	GTC	AAA	GAC	AGA	GTA	689
118	Val	Ser	Phe	Met	Leu	Arg	Ala	Thr	Ser	Ile	Phe	Val	Lys	Asp	Arg	Val	
119	185					190					195					200	
120																	
121	GTC	CAT	GCT	CAC	ATA	GGA	GTA	AAG	GAG	CTG	GAG	TCC	CTA	ATA	ATG	CAG	737
122	Val	His	Ala	His	Ile	Gly	Val	Lys	Glu	Leu	Glu	Ser	Leu	Ile	Met	Gln	
123					205					210					215		
124																	
125	GAT	GAC	CCA	CAA	AAT	TCC	ATT	GAG	GCA	ACT	TCT	GTG	GAC	AAA	TCA	CAA	785
126	Asp	Asp	Pro	Gln	Asn	Ser	Ile	Glu	Ala	Thr	Ser	Val	Asp	Lys	Ser	Gln	
127				220					225					230			
128																	
129	TAT	ATC	GGG	TGC	AAG	ATT	GCT	GTT	GTG	ATG	TTT	ATT	TAC	TTC	CTG	GCT	833
130	Tyr	Ile	Gly	Cys	Lys	Ile	Ala	Val	Val	Met	Phe	Ile	Tyr	Phe	Leu	Ala	
131			235					240					245				
132																	
133	ACA	AAT	TAT	TAT	TGG	ATC	CTG	GTG	GAA	GGT	CTC	TAC	CTG	CAT	AAT	CTC	881
134	Thr	Asn	Tyr	Tyr	Trp	Ile	Leu	Val	Glu	Gly	Leu	Tyr	Leu	His	Asn	Leu	
135		250					255					260					
136																	
137	ATC	TTT	GTG	GCT	TTC	TTT	TCG	GAC	ACC	AAA	TAC	CTG	TGG	GGC	TTC	ATC	929
138	Ile	Phe	Val	Ala	Phe	Phe	Ser	Asp	Thr	Lys	Tyr	Leu	Trp	Gly	Phe	Ile	
139	265					270					275					280</	

RAW SEQUENCE LISTING PATENT APPLICATION US/09/236,468

DATE: 02/10/1999

TIME: 16:12:14

INPUT SET: S30588.raw

153	AAT TTT ATT CTG TTT CTG AAT ACG GTT AGA GTT CTA GCT ACC AAA ATC	1121
154	Asn Phe Ile Leu Phe Leu Asn Thr Val Arg Val Leu Ala Thr Lys Ile	
155	330 335 340	
156		
157	TGG GAG ACC AAT GCA GTT GGG CAT GAC ACA AGG AAG CAA TAC AGG AAA	1169
158	Trp Glu Thr Asn Ala Val Gly His Asp Thr Arg Lys Gln Tyr Arg Lys	
159	345 350 355 360	
160		
161	CTG GCC AAA TCG ACA CTG GTC CTG GTC CTA GTC TTT GGA GTG CAT TAC	1217
162	Leu Ala Lys Ser Thr Leu Val Leu Val Leu Val Phe Gly Val His Tyr	
163	365 370 375	
164		
165	ATC GTG TTC GTG TGC CTG CCT CAC TCC TTC ACT GGG CTC GGG TGG GAG	1265
166	Ile Val Phe Val Cys Leu Pro His Ser Phe Thr Gly Leu Gly Trp Glu	
167	380 385 390	
168		
169	ATC CGC ATG CAC TGT GAG CTC TTC TTC AAC TCC TTT CAG GGT TTC TTT	1313
170	Ile Arg Met His Cys Glu Leu Phe Phe Asn Ser Phe Gln Gly Phe Phe	
171	395 400 405	
172		
173	GTG TCT ATC ATC TAC TGC TAC TGC AAT GGA GAG GTT CAG GCA GAG GTG	1361
174	Val Ser Ile Ile Tyr Cys Tyr Cys Asn Gly Glu Val Gln Ala Glu Val	
175	410 415 420	
176		
177	AAG AAG ATG TGG AGT CGG TGG AAT CTC TCC GTG GAC TGG AAA AGG ACA	1409
178	Lys Lys Met Trp Ser Arg Trp Asn Leu Ser Val Asp Trp Lys Arg Thr	
179	425 430 435 440	
180		
181	CCG CCA TGT GGC AGC CGC AGA TGC GGC TCA GTG CTC ACC ACC GTG ACG	1457
182	Pro Pro Cys Gly Ser Arg Arg Cys Gly Ser Val Leu Thr Thr Val Thr	
183	445 450 455	
184		
185	CAC AGC ACC AGC AGC CAG TCA CAG GTG GCG GCA GCA CAC GCA TGG TGC	1505
186	His Ser Thr Ser Ser Gln Ser Gln Val Ala Ala Ala His Ala Trp Cys	
187	460 465 470	
188		
189	TTA TCT CTG GCA AAG CTG CCA AGA TCG CCA GCA GAC AGC CTG ACA GCC	1553
190	Leu Ser Leu Ala Lys Leu Pro Arg Ser Pro Ala Asp Ser Leu Thr Ala	
191	475 480 485	
192		
193	ACA TCA CTT TAC CTG GCT ATG TCT GGA GTA ACT CAG AGC AGG ACT GCC	1601
194	Thr Ser Leu Tyr Leu Ala Met Ser Gly Val Thr Gln Ser Arg Thr Ala	
195	490 495 500	
196		
197	TCA CAC ACT CTC TCC ACG AGG AGC AAC AAG GAA GAT AGT GGG AGG CAG	1649
198	Ser His Thr Leu Ser Thr Arg Ser Asn Lys Glu Asp Ser Gly Arg Gln	
199	505 510 515 520	
200		
201	AGA GAT GAT ATT CTA ATG GAG AAG CCT TCC AGG CCT ATG GAA TCT AAC	1697
202	Arg Asp Asp Ile Leu Met Glu Lys Pro Ser Arg Pro Met Glu Ser Asn	
203	525 530 535	
204		
205	CCA GAC ACT GAA GGA TGACAAGGAG AAAC TGAGGA TGTTCTCTGA ATGGACATGT	1752

RAW SEQUENCE LISTING PATENT APPLICATION US/09/236,468

DATE: 02/10/1999
TIME: 16:12:14

INPUT SET: S30588.raw

206 Pro Asp Thr Glu Gly
207 540
208
209 GTGGCTGACT TTCATGGGCT GGTCCAATGG CTGGTTGTGT GAGAGGGCTT GGCTGATACT 1812
210
211 CCTATGCTTG AGCACAAAGG CTGAAAATTC AGTTAAGGTG TTAATAATA ATAGTTTTTA 1872
212
213 GGCTCCATGA ATGGCTCCT GTAAATACTA ACGACATGAA AATGCAAGTG TCAATGGAGT 1932
214
215 AGTTTATTAC CTTCTATTGG CATCAAGTTT TCCTCTAAAT TAATGTATGG TATTTGCTCT 1992
216
217 GTGATTGTTC A 2003
218
219

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 541 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

230
231 Met Ala Trp Leu Gly Ala Ser Leu His Val Trp Gly Trp Leu Met Leu
232 1 5 10 15
233
234 Gly Ser Cys Leu Leu Ala Arg Ala Gln Leu Asp Ser Asp Gly Thr Ile
235 20 25 30
236
237 Thr Ile Glu Glu Gln Ile Val Leu Val Leu Lys Ala Lys Val Gln Cys
238 35 40 45
239
240 Glu Leu Asn Ile Thr Ala Gln Leu Gln Glu Gly Glu Gly Asn Cys Phe
241 50 55 60
242
243 Pro Glu Trp Asp Gly Leu Ile Cys Trp Pro Arg Gly Thr Val Gly Lys
244 65 70 75 80
245
246 Ile Ser Ala Val Pro Cys Pro Pro Tyr Ile Tyr Asp Phe Asn His Lys
247 85 90 95
248
249 Gly Val Ala Phe Arg His Cys Asn Pro Asn Gly Thr Trp Asp Phe Met
250 100 105 110
251
252 His Ser Leu Asn Lys Thr Trp Ala Asn Tyr Ser Asp Cys Leu Arg Phe
253 115 120 125
254
255 Leu Gln Pro Asp Ile Ser Ile Gly Lys Gln Glu Phe Cys Glu Arg Leu
256 130 135 140
257
258 Tyr Val Met Tyr Thr Val Gly Tyr Ser Ile Ser Phe Gly Ser Leu Ala

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/236,468

DATE: 02/10/1999
TIME: 16:12:14

INPUT SET: S30588.raw

Line

Error

Original Text